

From owner-qrp-1@netcom.com Wed Feb 8 15:13:41 1995  
Message-Id: <9502081840.AA21531@comtech.com>  
Date: Wed, 08 Feb 1995 10:51:55 PST  
From: gap@comtech.com (Greg Prior)  
Subject: Re: "T" is for "Toroid"

>From: interval.com.!burdick@aimnet.com (Wayne Burdick)  
>Subject: Re: "T" is for "Toroid"  
>  
>You didn't have to go and do them all at once, now, didja? The idea is to  
>do about one per week.  
>  
>Anyway, I admire your dedication. Hope it works!  
>  
>Wayne, N6KR  
>  
>  
>P.S. -- The 80-meter mod to the NorCal 40A requires a toroid with 92 turns  
>on it. Nearly killed me. Time to switch to shielded cans.

I noticed lots of coils in the Digikey catalog. I was wondering if these can be substituted for the toroids. I was especially interested in the surface mount shielded parts (I like surface mount stuff). The values don't exactly match those in the Sierra, but most have a trimmer cap that should compensate.

The specs show a Q and a frequency. Are these important? I don't have any idea of what the Q is on the toroids. The DC current will of course have to be adequate for the circuit.

So.... can I just buy the coils already made for \$1.43 each?

Thanks,  
Greg Prior - AC6IY gap@Comtech.com  
Comtech Labs, Inc. Palo Alto, CA

From owner-qrp-1@netcom.com Wed Feb 8 17:39:58 1995  
Date: Tue, 7 Feb 95 18:32:52 HST  
From: jeffrey@math.hawaii.edu (Jeffrey Herman)  
Message-Id: <9502080432.AA06879@kahuna.math.hawaii.edu>  
Subject: Re: "T" is for "Toroid"

Rob and the Gang,

You have it soooooo easy winding your inductors on toroids. All mine go on cardboard forms (air core) and thus take many more windings. I just finished a 50 uH one which took 55 turns.

I recounted the turns several times and each time I'd get a different number. It's no wonder my eyes are so bad...

If we wind our own inductors, then why don't we make our own capacitors? Has anyone seriously attempted this? In the past I've made variable caps out of necessity but never a fixed value cap.

Let's see,  $C = 0.2235KA(N - 1) / d$

where C is in pF, K is the dielectric constant, A is the area of one plate (sq. in.), d is the thickness of the dielectric (in.), and N is the number of plates.

Actually, I did make a fixed cap as a young pup out of two sheets of foil and a glass jar. Applied the AC mains to it and tripped the breaker. I miss those days.

Jeff NH6IL

From owner-qrp-1@netcom.com Wed Feb 8 23:47:34 1995  
Message-Id: <199502090146.UAA05039@jfwhome.funhouse.com>  
Subject: Re: "T" is for "Toroid"  
Date: Wed, 08 Feb 1995 20:46:06 -0500  
From: "John F. Woods" <jfw@jfwhome.funhouse.com>

> If we wind our own inductors, then why don't we make our own  
> capacitors? Has anyone seriously attempted this? In the past  
> I've made variable caps out of necessity but never a fixed  
> value cap.

A couple of years ago I made a capacitor by covering a glass jar with aluminum foil, filling it with salt water, and sticking a capacitance meter across it (about 200pF).

A very long time ago I tried making paper foil capacitors. Then, I didn't have a capacitance meter, so I don't know what value they had. I do remember it didn't work very well in the circuit I tried it in.

From owner-qrp-1@netcom.com Thu Feb 9 00:59:09 1995  
From: JEVERHART@cayman.VF.MMC.COM  
Date: Wed, 8 Feb 1995 21:22:25 -0500 (EST)  
Message-Id: <950208212225.2242feba@carib.vf.mmc.com>  
Subject: Re: "T" is for "Toroid"

Jeff, you really do believe in "rolling your own!" But at least when you're done, the paperwork is behind you. <GROAN>

Punfully yours,

72/73,

Joe E. N2CX

From owner-qrp-1@netcom.com Wed Feb 8 13:51:03 1995  
From: rossi@VFL.Paramax.COM  
Message-Id: <9502081602.AA12167@gvlf9-a>  
Date: Wed, 8 Feb 95 11:02:50 EST  
Subject: \*\* CORRECTED \*\* CW FOX Schedule

February 8, 1995

\*\* CORRECTED \*\* FOX SCHEDULE - CW \*\* CORRECTED \*\*

Week of:	FOX	Date	Time(UCT)	Freq
Feb 12th	WA3NNA	Feb 17	0200-0300	7.110 +/- QRM
			0300-0400	7.040 +/- QRM
This is Thursday evening (Feb 16) local time in North America.				

\*\*\*\*\* NOTE: Times are one hour later than shown in the earlier posting \*\*\*\*\*

---

Pete Rossi - WA3NNA  
rossi@vfl.paramax.com

From owner-qrp-1@netcom.com Wed Feb 8 17:36:15 1995  
Date: Tue, 7 Feb 95 22:37:02 -0600  
From: adams@chuck.dallas.sgi.com (chuck adams)  
Message-Id: <9502080437.AA02089@chuck.dallas.sgi.com>  
Subject: /6 again

OK, next two weeks of to CA again.

Two Guys from Italy, Tuesday 6:30pm. Same Bat channel  
same bat time. dit dit

Chuck Adams K5FO CP-60 adams@sgi.com

From owner-qrp-1@netcom.com Wed Feb 8 11:39:34 1995

From: Duncan Cadd <dcadd@luc.ac.be>  
Message-Id: <9502061243.AA17106@alpha>  
Subject: 17m handheld  
Date: Mon, 6 Feb 1995 13:43:28 +0100 (MET)

Greetings from Diepenbeek in N.E. Belgium!

I've just spent an interesting weekend roaming around the Ardennes in S.E. Belgium thinking to myself how nice it would be to have a shortwave handheld, e.g. for 17m SSB. Over here, we're not allowed to use homebrew kit mobile or portable (i.e. homebrews only in the shack) so it has to be something commercial, much though one might like otherwise.

Does anyone know of such a thing, any European importers or direct from the US, doesn't HAVE to be 17m (but it's a nice band) ?

Any info gratefully received.  
73,

Duncan ON/GOUTY G-QRP 8117  
dcadd@luc.ac.be

"If I had all the money I'd spent on drink - I'd spend it on drink."  
Sir Henry Rawlinson (also gouty)

From owner-qrp-1@netcom.com Wed Feb 8 12:07:16 1995  
Date: Tue, 07 Feb 1995 00:10:08 GMT  
From: "FRANK W LEE, G3YCC" <frank@yorks.demon.co.uk>  
Message-Id: <18@yorks.demon.co.uk>  
Subject: Another new boy (not to qrp!)

Hi, just subscribed to this box and really just seeing if I have got the hang of it!

Have lots of h/b gear, for cw (main interest) and also ssb. Commercial rig is Kenwood TS850s, which I am using mainly on 1.8 Mhz CW, with a vertical - consisting of an 8ft whip on a pole. Works well, have qso'd with VK, VQ9 quite a few W's etc, however not QRP.

Also have an MFJ 9420 for SSB on 14 Mhz and recently took it to Tenerife.

A bit hampered for space there, as could only get a quarter wave end fed out onto the balcony, but had a few QSOs round Europe.

Also am Chairman of our local radio Society. We are hoping to do a club project making a superhet Rx later and I fancy doing one I have seen in 73 Mag. I wonder if anyone would be able to send me a pcb from a source in USA, if I send the details and cash of course? May also need some Mouser inductors for it.

Would like to hear from someone, even if only to say hello!  
Been in the G QRP Club since it first started, worked more than 120 countries  
QRP, but don't really chase them now (or the gals!) getting a bit lazy in my  
latter years.

73 / 72

--FRANK W LEE, G3YCC (G QRP 042)

From owner-qrp-1@netcom.com Wed Feb 8 17:26:08 1995  
Date: Wed, 8 Feb 1995 11:46:12 -0800 (PST)  
From: Stephen Lee <slee@u.washington.edu>  
Subject: Re: Another new boy (not to qrp!)  
Message-Id: <Pine.A32.3.91c.950208112127.21920A-100000@homer08.u.washington.edu>

Hello cousin Frank...we've been awaiting your arrival!

Stephen Lee here in the "States", AB7HI

I do believe we can help each other out on this issue...There's a  
bunch of us here who need 4.19 MHz printed circuit board mount  
resonators. Rumor has it that these are readily available in  
England at a reasonable cost. I would like to have at least a dozen.

Send me your shopping list and I'll reply with availability and price.  
Decide what you want and I'll do my best to get it to you as quickly  
as possible. Know anyone who works for British Airways? They fly out  
of Seattle daily...could possibly courier the parts via British Airways.

73's Frank!  
Stephen Lee  
AB7HI

From owner-qrp-1@netcom.com Thu Feb 9 01:06:02 1995  
From: JEVERHART@cayman.VF.MMC.COM  
Date: Wed, 8 Feb 1995 22:51:37 -0500 (EST)  
Message-Id: <950208225137.22425d58@carib.vf.mmc.com>  
Subject: Better VX0/79'er Test

Hello Gang,

NEQRP is having a meeting, February 18, 1995 at ARRL headquarters. As  
part of the meeting agenda, there will be a 3579 kHz VX0 competition.  
This is an extension of a club project, a simple color tv crystal 80  
meter rig.

With the permission of the NEQRP President, W1FMR, I'm reproducing the

competition rules.

Here they are verbatim, as distributed on qrp-l during last Fall. (At that time, Jim requested comments on the rules and later decided that they were sufficient as distributed.)

\*\*\*\*\*INCLUDED MESSAGE\*\*\*\*\*

>From KR1S.....

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#### NE-QRP Build A Better VXO Contest

Variable-frequency crystal oscillators (VXOs) are popular for portable equipment. Unfortunately, the range over which a crystal frequency can be "pulled" is limited. On the 80-meter band, you're lucky to get 5 kHz of coverage from a single crystal. To stimulate thinking toward better VXOs, we're going to have a little contest at our Mid-Winter meeting at ARRL Hq.

Here are the rules:

We supply a frequency counter, receiver and regulated 12-V power supply. Your VXO must be powered from our supply, and must draw no more than 100 mA at 12V.

Your VXO must be buffered so that its frequency is not noticeably pulled when the high-impedance input of the counter is connected to the circuit point you specify as OUTPUT.

Your VXO can have only ONE, continuously variable frequency control.

The SINGLE frequency determining element of your VXO must be a 3.579...-MHz quartz crystal, with frequency marked on the holder by the manufacturer. Ceramic resonators are NOT permitted.

Output of the VXO must be on the 80-meter amateur band.

You must have available a complete schematic diagram of your VXO, with all component values indicated. You must be willing and able to open your VFO for inspection if requested by the judges.

Judging will be performed as follows:

Your VXO will be connected to the power supply and its current consumption verified. You will adjust the frequency to its high-end frequency.

The receiver will be tuned to the VXO frequency and the counter will be connected. At this point, the judges will verify that the frequency is not pulled when the counter is connected.

The judges will note the HIGH-END FREQUENCY of the VXO. You will then tune the VXO to its low-end frequency, which will also be noted by the judges.

The VXO will then be left at this LOW-END FREQUENCY for one minute, during which time it cannot drift more than 50 Hz.

The judges will subtract the measured low-end frequency from the measured high-end frequency to determine the MAXIMUM FREQUENCY SWING for your VXO.

The VXO having the greatest maximum frequency swing will be declared the winner, subject to verification of performance by the judges. In the case of ties, frequency stability over a period of time up to 10 minutes from 1 minute after initial application of power will be used to determine the winner.

The judges will reserve the right to inspect any and all VXOs to confirm that they are functioning as VXOs and not VFOs, and that the specified crystal is in place.

Each person present at the meeting may enter only one VXO.

Other rules may be applied as necessary by the judges, who will be selected at the meeting at ARRL HQ next year.

\*\*\*\*\*END OF INCLUDED MESSAGE\*\*\*\*\*

Hope to see you there for the competition.

BTW, don't forget the 79'er Test every Thursday evening from 9 to 10 p.m., EST during the month of February, 1995. Operating rules were distributed last week to the mail list. The showing last week was poor (anybody there?) Let's do better this week!

72/73,

Joe E. N2CX

From owner-qrp-1@netcom.com Wed Feb 8 10:34:29 1995  
Date: Tue, 7 Feb 95 17:26:40 -0600  
From: adams@chuck.dallas.sgi.com (chuck adams)  
Message-Id: <9502072326.AA01619@chuck.dallas.sgi.com>  
Subject: Blank Review Form

When filling out the form:

- a. Feel free to modify
- b. Keep lines < 80 characters
- c. Don't use all CAPS :-)
- d. Good English is a must
- e. Keep to one page (60 lines) if possible
- f. Add space on each line after : to columnize  
start of information

-----cut here-----

Internet QRP-L Rig Report Form  
(Format modeled from CQC Lowdown Newsletter)

MFR:

Address of MFR:

Designer:

Model:

Size:

Weight:

PC board:

Manual:

Power :

RX Drain:

TX Drain:

Modes:

Kit?:

Bands:

LO/VFO:

Drift:

Dial Range:

RX:

XMT:

Filter:

Selectvty:

RIT:

Gain:

AGC:

Preamp:

Atten:

SPKR:



Meter:  
S Tone:  
VFO:  
Output:  
Internal Keyer:  
QSK:  
Price:  
Availability:  
Options:  
Date of Review:  
Author:  
Comments:

Chuck Adams K5FO CP-60 adams@sgi.com

From owner-qrp-1@netcom.com Wed Feb 8 07:13:37 1995  
Date: Mon, 6 Feb 1995 22:42:27 +000 (UTC)  
From: Rich Mulvey <rkm@vectorbd.com>  
Subject: Case finishing  
Message-Id: <Pine.3.87.9502062227.A2185-01000000@vectorbd.vectorbd.com>

Hi:

I just wanted to make a recommendation for a rather neat paint I used to finish the case of my Sierra with. It's called "Hammerite", and dries to a "flaked" finish, almost like wrinkle-paint, but without the hassle of convincing your wife to let you use the oven. :-) A small word of warning - the "black" paint actually dries to a very dark grey.

Anyhow - what else have you used to finish cases, etc.?

- Rich

From owner-qrp-1@netcom.com Wed Feb 8 10:37:10 1995  
Date: Wed, 08 Feb 1995 09:35:09 -0500 (EST)  
From: CEBIK@utkvx.utk.edu  
Subject: Re: Case finishing  
Message-Id: <Pine.3.89.9502080931.A541648514-01000000@utkvx.utk.edu>

On Mon, 6 Feb 1995, Rich Mulvey wrote:

> Hi:

>

> I just wanted to make a recommendation for a rather neat paint I used  
 > to finish the case of my Sierra with. It's called "Hammerite", and dries  
 > to a "flaked" finish, almost like wrinkle-paint, but without the hassle  
 > of convincing your wife to let you use the oven. :-) A small word of  
 > warning - the "black" paint actually dries to a very dark grey.

>  
 > Anyhow - what else have you used to finish cases, etc.?  
 >

> - Rich

Where (that is, in what sort of store) are we likely to find this paint?

Who makes it? Any above normal cost?

THanks in advance.

LB, W4RNL

From owner-qrp-l@netcom.com Wed Feb 8 11:04:57 1995  
 Date: Tue, 7 Feb 95 16:16:26 -0600  
 From: adams@chuck.dallas.sgi.com (chuck adams)  
 Message-Id: <9502072216.AA01210@chuck.dallas.sgi.com>  
 Subject: CW FOX Schedule

February 7, 1995

# FOX SCHEDULE - CW

WARNING: Times and dates are in UTC, so for 0000Z, it's the  
 day before here in the USofA.

name of fox	call	email address	QTH
Chuck Adams	K5FO	adams@sgi.com	Dallas, TX
Bob Easton	N2IPY	bobea@watson.ibm.com	Sloatsburg, NY
Craig LaBarge	WB3GCK	74740.3166@CompuServe.com	Phoenixville, PA
Mark Cronenwett	KA7ULD	ka7uld@ix.netcom.com	San Jose, CA
Pete Rossi	WA3NNA	rossi@vfl.paramax.com	Newton Square, PA
Bob Cutter	KI0G	bcutter@csn.org	Glenwood Springs, CO
Dave Adams	N9UXU	dave@flowserver.stem.com	Indianapolis, IN
Ron Stark	KU7Y	mswmod@nimbus.sage.unr.edu	Sun Valley, NV
Stan Goldstein	N6ULU	stan@cruzio.com	Watsonville, CA
Clay Wynn	N4AOX	wyn@ornl.gov	Alcoa, TN
Ted Albert	KF8EE	teda@meaddata.com	Loveland, OH

Week of:	FOX	Date	Time(UCT)	Freq
Feb 12th	WA3NNA	Feb 17	0100-0200	7.110 +/- QRM
			0200-0300	7.040 +/- QRM (then 7110)
This is Thursday evening (Feb 16) local time in North America.				

Feb 19th    KU7Y        Feb 21        0300-0500Z    7.110-7.115 (1st hr) 7.035-045 (2nd)  
Feb 26th    N9UXU        Mar 4        0300-0500Z    7.110-7.120 (both hrs)

Chuck Adams   K5FO   CP-60   adams@sgi.com

From owner-qrp-1@netcom.com   Wed Feb   8 14:43:51 1995  
From: N5EM@aol.com  
Date: Mon, 6 Feb 1995 12:21:39 -0500  
Message-Id: <950206122009\_14306821@aol.com>  
Subject: Dayton Transportation

I am looking for someone in the Washington, DC area who is planning to drive to Dayton. I have a friend who lives in Herndon who is a relatively new ham and fledgling QRP'er. He will be staying with me at the "QRP Hilton".

Anyone got room for another passenger?

I will put you together to work out the details. I am sure he would be glad to drive some distance to hook up.

Thanks.

72  
Ed Manuel - N5EM  
n5em@aol.com

From owner-qrp-1@netcom.com   Thu Feb   9 01:02:07 1995  
From: Byron8LCZ@aol.com  
Date: Wed, 8 Feb 1995 21:39:38 -0500  
Message-Id: <950208205427\_16556397@aol.com>  
Subject: dupe messages

The President of America On-Line wrote a letter to all AOL subscribers on Feb 1. He says due to extremely fast growth of AOL, (and not just AOL, i'm sure) the large amount of email traversing the Internet via AOL is causing slowdowns of all email. I think the QRP-List is on UseNet, so our email may pass thru Internet to get to AOL. Many users have resubmitted their email two and three times until they see it reappear. This adds even more email to the backlog. I suggest that you don't resubmit your email unless you haven't seen it appear after 24 hours. During the night, this backlog is caught up. I've been noticing many dupes, sometimes three copies of the same email, that tend to fill up my mailbox.

72, Byron

From owner-qrp-l@netcom.com Wed Feb 8 11:14:06 1995  
From: ab4el@cybernetics.net (Stephen Modena)  
Message-Id: <9502061052.AA01486@cybernetics.net>  
Subject: Re: Field Day  
Date: Mon, 6 Feb 1995 05:52:37 -0500 (EST)

> From: Kirkekirk@aol.com  
> Date: Sun, 5 Feb 1995 14:12:07 -0500  
>  
> Anyone op fd on Mt. Mitchell, NC. May do it QRP this year.  
>  
> AA4YZ/8  
> Canton, Oh

Take your LongJohns: the weather at night can sometimes be mighty cool at 6648 ft--even in Summer. :^) It can also be 68 F on a January day when the surrounding valley floors are freezing. (I used to spend a lot of time up there.)

One of my memorable QSOs from the Summit parking lot, was with Paula WB9TBU/KH2. :^)

--

73/Steve/AB4EL ab4el@Cybernetics.NET in Raleigh, NC 35.81245N, 78.65849W

From owner-qrp-l@netcom.com Wed Feb 8 12:11:12 1995  
From: ab4el@cybernetics.net (Stephen Modena)  
Message-Id: <9502071050.AA17715@cybernetics.net>  
Subject: Re: Field Day  
Date: Tue, 7 Feb 1995 05:50:06 -0500 (EST)

\*\*\*\*\*  
\* This is a repost--it seems that QRP-L has decided lately to  
\* selectively/randomly trash postings to the reflector....I  
\* mean, after 24 hours, if it hasn't been reflected, it ain't  
\* go'nna be.  
\*\*\*\*\*

> From: Kirkekirk@aol.com  
> Date: Sun, 5 Feb 1995 14:12:07 -0500  
>  
> Anyone op fd on Mt. Mitchell, NC. May do it QRP this year.  
>  
> AA4YZ/8  
> Canton, Oh

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One of my memorable QSOs from the Summit parking lot, was with Paula WB9TBU/KP2. :^)

--

73/Steve/AB4EL ab4el@Cybernetics.NET in Raleigh, NC 35.81245N, 78.65849W

From owner-qrp-l@netcom.com Wed Feb 8 10:59:49 1995  
From: ab4el@cybernetics.net (Stephen Modena)  
Message-Id: <9502061058.AA01745@cybernetics.net>  
Subject: Re: Field Day.../KP2  
Date: Mon, 6 Feb 1995 05:58:04 -0500 (EST)

I'll bet it would surprise Paula to learn that:

> One of my memorable QSOs from the Summit parking lot, was with  
> Paula WB9TBU/KH2. :^)

They were operating from the "summer beach" in the Virgin Islands /KP2. Sigh...I'm getting old and forgetful.

--

73/Steve/AB4EL ab4el@Cybernetics.NET in Raleigh, NC 35.81245N, 78.65849W

From owner-qrp-l@netcom.com Wed Feb 8 12:12:21 1995  
Date: Mon, 06 Feb 1995 07:22:48 -0500 (EST)  
From: CEBIK@utkvx.utk.edu  
Subject: Re: Fluke / SPRAT?  
Message-Id: <Pine.3.89.9502060701.A541558045-01000000@utkvx.utk.edu>

On Sun, 5 Feb 1995, Mike Czuhajewski wrote:

> Yes, I know what SPRAT stands for: Small Powered Radio Amateur  
> Transmitter (or something very close to that; I saw it in SPRAT once).  
> Also, "sprat" is a legitimate English word (as in "Jack Sprat could eat  
> no fat"...); I'll leave it to you to look it up in a dictionary, but  
> it's a play on words here. 73 and Queue Our Pea DE WA8MCQ  
> --  
> Mike Czuhajewski, user of the UniBoard System @ wb3ffv.ampr.org  
> E-Mail: Mike.Czuhajewski@hambbs.wb3ffv.ampr.org  
> The WB3FFV Amateur Radio BBS - Located in Baltimore, Maryland USA  
> Supporting the Amateur Radio Hobby, and TCP/IP InterNetworking  
>

Would a journal on battery (powered) radio amateur transmitters by BRAT?

From owner-qrp-1@netcom.com Wed Feb 8 15:43:17 1995  
Date: Mon, 6 Feb 95 23:06:55 -0600  
From: adams@chuck.dallas.sgi.com (chuck adams)  
Message-Id: <9502070506.AA00964@chuck.dallas.sgi.com>  
Subject: FOX

Well I knew we were going to have problems, when at 0430Z I heard Ernie, W8MVN, calling CQ on 7.041MHz and I'd give him a 549 report, but he didn't hear me. KK6MC/5 in NM did and we had a short QSO.

Stayed around until 0515Z then had to run to post this and get to watch "Northern Exposure", the only TV I watch. And not every night as it is on late. I missed the first round, so reruns in order. :-)

See next post on what I was doing while listening.

dit dit

Chuck Adams K5FO CP-60 adams@sgi.com

From owner-qrp-1@netcom.com Wed Feb 8 12:39:22 1995  
Message-Id: <ab5d3ab1010210042018@[192.31.66.238]>  
Date: Tue, 7 Feb 1995 08:10:22 -0700  
From: ji3m@scubed.scubed.com (James R. Duffey)  
Subject: Fox on Wrong Freq?? from KK6MC/5

I worked the fox last night 7115.7. I guess I misunderstood from Chuck's posting that he would be on 7150. I listened there at 0400 and heard nothing but a strong foreign broadcast station. Then I got to thinking that if the fox was operating in the novice band so that novices and techs would have a chance to work him he wouldn't operate so close to the band edge and on top of a 59+20 db signal. Other foxes have operated from 7110 to 7115 so I tuned down there after hearing nothing at 7150. Lo and behold there Mark was on 7115.7 calling CQ with a nice 579 to 599 sig! I returned his CQ and received a 449. Much better than last time when I missed him altogether. He came back to me, qsl'd my transmission and abruptly quit in the middle of his reply. I gave my final and still didn't hear him come back. A few minutes later I found him calling CQ on 7116.3 and thought that maybe he bumped his dial or something in the middle of his transmission to me. I didn't hear him the rest of the evening even after he was supposed to have qsy'd to 7040. I hope that nothing went wrong with his station. I heard a San Francisco station so I think propagation was ok between here

and there. I did work K5F0 although it was tough with 599 QRM from W8MVN/QRP!! I gotta get those narrow filters installed! Did anyone else work the fox??-Duffey KK6MC/5

James R. Duffey ((505) 764-3143)  
Maxwell Laboratories, S-Cubed Division  
2501 Yale Blvd SE Suite 2501  
Albuquerque, NM 87106-4125

From owner-qrp-1@netcom.com Wed Feb 8 22:29:01 1995  
From: ddoyle@arinc.com  
Message-Id: <199502082312.AA06781@interlock.arinc.com>  
Date: Wed, 08 Feb 95 16:23:44 EST  
Subject: Re: Fox on Wrong Freq?? from KK6MC/5

I failed to contact the CW fox myself, did hear bits and pieces of qso regarding the fox around 7040 but strong signals would go away, just like pulling the plug.

I had similar thoughts As Jim, couldn't imagine working the novice band right on the edge. Also heard STRONG foreign BC stations at 7150 making it quite useless. Like Jim I tuned down to 7110-7115 but unlike him I didn't hear him here in NE Oklahoma. I did hear several '6' stations but alas, no FOX.

I only listened for 1 hour then had to hit the hay for the next day.

Until next week's fox hunt...

73s de Don kc5eqc

From owner-qrp-1@netcom.com Wed Feb 8 11:51:02 1995  
Date: Wed, 8 Feb 1995 07:59:00 -0500  
From: "david (d.) burniston" <davidgb@bnr.ca>  
Message-Id: <"15000 Wed Feb 8 07:59:46 1995"@bnr.ca>  
Subject: fw:NN1G SW 30-40 KIT REVIEW (long)

I sent this 2 days ago and it hasn't been reflected back to me, so if this ends up as a duplicate, my apologies... Dave

---forwarded-message--->

1995 Feb 06 at 15:33

to: <qrp-l@netcom.com> (BNR400)  
from: David (D.) Burniston :4B36 (BNR)  
subject: NN1G SW 30-40 KIT REVIEW (long)

Hi...

As a result of the article in QST, November 94 and some of the comments on the QRP-L mailing list, I decided to order the 30M version of Dave's (NN1G) transceiver. I sent my money order in in late November and received my kit on the Dec 29.

I opened the large envelope and found a PCB (silkscreened and solder masked), manual, bag of parts and 4 small envelopes with the additional parts that could be easily confused if mixed in with the rest. One envelope had the FTXX-43 cores and another the FTXX-61 cores (these are not color coded so are difficult to tell apart). Another envelope had the wire for winding the toroids and the zener diodes (taped to a sheet and labelled).

I read through the manual to get an overview before starting to build the kit. I followed the described sequence for putting the parts on the board. The quality of the board was very good and all the parts went on without any trouble, with one exception - the small variable capacitors had one lead wider than the other and wouldn't fit through the hole. I had to enlarge two holes on the board.

Annoyance number 1 was the parts list/silkscreen. The parts list doesn't give values for the resistors as these are marked on the board overlay in the manual, but parts designators aren't marked on the silkscreen. There was also one error on the silkscreen - C1 is labelled as C2.

Annoyance number 2 - the IC's were loose and wrapped up in a piece of aluminum foil - not in foam. Two of the IC's had the pins bent right over. This can be a real problem if you're not very careful straightening them out.

The board took about 4 hours to get assembled. Next I had to make a trip to Radio Shack to get the potentiometers required for the tuning and RF gain control.

I did a visual inspection of the board after cleaning it with flux remover, measured the resistance from the IC power pins to ground to



make sure there were no major shorts, plugged in the IC's and headphones and turned on the power. No smoke!

The instructions say to use your main HF rig with the power cranked down into a dummy load as a signal source to align the receiver. Having just acquired a signal generator good down to .1 uV, I decided to use it. I hung a short wire off the antenna lead of the transceiver and put a clip lead on the sig. gen. output. I swept the generator from 9 - 11 MHz until I heard the signal in the qrp rig. The receiver worked!

Using my TS430 receiver I confirmed the generator signal - 9.7 MHz. I removed 1 turn from L1 and this put me up to 10.107 MHz. I added a 27pF NPO across L1 as indicated in the instructions and got it to tune 10.1 MHz at the low end of the tuning range.

I followed the instructions to peak up the TX filter but when I tried to adjust R6 to bring the RF up to 1.5W, all I could get was 200mW. With power meter in line, I keyed the TX and adjusted the filter again. I was able to get 1.5W but I lost the sidetone. A quick check with the scope showed RF in the audio. I suspected pickup by the audio amp leads, so I moved them about, but the problem persisted.

I sent an e-mail to Dave, NN1G asking about this problem. While waiting for a reply, I added RG174 from the board to the ANT connector, and ran twisted pair for the key and audio out lines. This time the rig peaked right up at 1.5W and the sidetone was fine.

The next day I got a reply from Dave indicating that RF pickup was the likely cause... thanks Dave - it's great to be able to get assistance direct from the designer!

The receiver works quite well (once I realized that 30M is dead in the evenings at this time of year!). The 2 crystal filter isn't as good as the filter in my NORCAL40 and I can hear a bit of the other sideband when tuning through strong stations, but just barely. Tuning is smooth, although non-linear, but this is expected with a simple varactor circuit.

The lack of AGC could take some getting used to, but being used to Direct Conversion receivers this wasn't really a problem for me - and there's none of the problems associated with audio-derived agc. I used headphones with an in-line volume control to make life a bit easier.

About the biggest complaint I have with the kit is that the designators for resistors aren't shown on the parts overlay, they're shown by value. The other components have the designators shown. I was trying to locate a specific resistor to take some measurements. I found the one I wanted on the schematic, but had to trace it back from a labelled component. A

minor annoyance.

Would I recommend the kit?

You bet! All of the parts were there, it went together easily and worked right off (once I cleaned up my act with cabling), and it works well.

You have to pay the extra cost of the 2 potentiometers, an antenna connector and connectors for a key and headphones, plus a case. This could boost the cost by about \$25 if you need to buy them, but it is still one of the least expensive kits you can get, and you can customize the case the way you like.

Now I'm just waiting till I have some time during the day, when 30M is active so I can have some QSO's!

... Dave

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=====
Dave Burniston,          Bell Northern Research  Ottawa, ON Canada
VE3LFO                   ph.(613) 765-3579
NORCAL 434               *** All opinions are strictly my own. ***
=====
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From owner-qrp-1@netcom.com Wed Feb 8 16:18:43 1995  
Date: Tue, 7 Feb 1995 08:06:48 -0500  
From: Robert Penneys <penneys@strauss.udel.edu>  
Message-Id: <199502071306.IAA01183@strauss.udel.edu>  
Subject: How to subscribe??

How do I subscribe to the QRP reflector? Tnx Bob

Bob Penneys, WN3K      Frankford Radio Club      N.E.R.D.S.  
Internet: penneys@brahms.udel.edu      Work: Ham Radio Outlet, Delaware

From owner-qrp-1@netcom.com Wed Feb 8 16:55:57 1995  
Date: Tue, 7 Feb 1995 09:42:11 -0330 (NST)  
From: Robert Gobrick <bgobrick@nlnet.nf.ca>  
Subject: Re: K1BQT TRAVEL RADIO  
Message-Id: <Pine.OSF.3.91.950207093404.8581B-1000000@terra.nlnet.nf.ca>

Clayton - the Travel Radio by K1BQT is basically the same design as the MFJ 90xx series of rigs that Rick Littlefield K1BQT had a hand in designing for MFJ. The "history" of the rig goes back to a number of designs presented in the old Ham Radio Magazine (gosh do I miss that publication - CQ never did justice replacing it when they bought it out - the CQ Comm Quarterly just doesn't cut it for me..) The only company that I know of that makes a kit of the Travel Radio is RadioKit - and I WOULD NOT recommend their kit since the quality control is poor.

Since then there have been a number of similar designs that you may want to consider - Dan's Small Parts in Montana carries a kit based on the Dave Bensom NN1G Mark II superhet transceiver and for a more commercial version the Oak Hills Research Explorer is build along the Travel Radio line.

Anyway - godd luck with your project and this qrp-l forumn is a good place to ask questions since just about everyone on here has been "touched" by the designs that Rick put into the Travel RADio.

72 Bob V01DRB/WA6ERB

On Mon, 6 Feb 1995, CLATON CADMUS wrote:

> Hello all, after selling my HW-8 some years back I've found that I've  
> missed qrp. I would like to scratch build a good xceiver for 80/40 and  
> maybe 20 too. I was reading the QRP column in March '89 73. There was a  
> very nice HB rig called a Travel Radio designed by K1BQT. Anyone happen  
> to know where this design was published? Also, have any recommendations  
> for designs and where to find the articles?  
>  
> Any help would be appreciated, thanks & 73 KA0GKC@hamlink.mn.org  
>  
> \* SLMR 2.1a \* I've Soldered! But I didn't Inhale!  
>  
>  
>  
> ---NoSnail 1.12  
>

From owner-qrp-l@netcom.com Wed Feb 8 17:12:16 1995  
From: Jerry Palsson <palsson@rohan.sdsu.edu>  
Message-Id: <199502081734.JAA03025@rohan.sdsu.edu>  
Subject: K1BQT Travel Radio  
Date: Wed, 8 Feb 1995 09:34:00 -0800 (PST)

The article on the Travel Radio designed by Rick Littlefield, K1BQT, appeared in Ham Radio, June 1987, page 8. Title: "A Compact 20-Meter CW transceiver."

Excellent article; includes references to other design sources.

Jerry Palsson  
AA6KI

From owner-qrp-1@netcom.com Wed Feb 8 22:48:28 1995  
From: jeffrey@math.hawaii.edu  
Date: Wed, 8 Feb 95 14:05:07 HST  
Message-Id: <9502090005.AA02317@cruncher.math.hawaii.edu>  
Subject: kits are homebrew?

Rob referred to his Sierra kit as 'homebrew'. We had a pretty heated debate about a year ago as to what should be considered a homebrewed rig. I don't recall that the kit vs homebrew discussion was ever resolved.

Has any QRP organization proclaimed a definite delineation between the two? It might seem like a minor point to some but those of us who 'build from scratch' would like to get the highest possible multipliers in contests for our efforts. Otherwise, why have such catagories?

Rob, this is not to detract from your efforts at all! I'm proud of the Heath kits I built just as you should be proud, and that the rig worked the first time says something of the care you displayed during construction. My question deals more with the semantics of the two terms with regard to contest points.

.73W from Hawaii,  
Jeff NH6IL

From owner-qrp-1@netcom.com Wed Feb 8 15:59:38 1995  
From: lhalliday@creo.bc.ca  
Date: Mon, 06 Feb 95 12:09:04 PST  
Message-Id: <9501067921.AA792101616@mail.creo.bc.ca>  
Subject: Laura's new book

I just bought a new book - "Reussir ses recepteurs toutes frequences" by Philippe Bajcik. The title translates roughly as "Successful receivers at all frequencies". It was published last August.

The first half of the book is theory, some at a fairly stiff level. It assumes that you know how transistors work (bias, gain, and so on), and goes from there. The back half of the book is construction

projects for various AM, FM and SSB ("BLU" in French) receivers. They lean heavily on ICs like NE602/4/5 and MC3362, and are generally intermediate in complexity between, say, a Neophyte and an R2.

At FF145 the book is not cheap (few things from France are), but already has me thinking about the contents of my junk box...

73 from Burnaby,  
laura VE7LDH

From owner-qrp-l@netcom.com Wed Feb 8 10:31:52 1995  
Message-Id: <9502081401.AA28960@nms1.abb.com>  
From: Tom\_Jennings <jennings@eng16.rochny.uspra.abb.com>  
Subject: Logikey's Super CMOS II Keyer  
Date: Wed, 8 Feb 95 9:02:40 EST

Hi,  
Has anybody heard of Logikey and their Super CMOS II Keyer kit? I would like an address or phone number and price.  
Thanks and 73  
TJ, kv2x  
--

-----  
Thomas J. Jennings | Tel: (716) 273 7071  
Senior Engineer | Fax: (716) 273 7262  
|  
ABB Process Automation |  
Post Office Box 22685 |  
Rochester, New York 14692-2685 |  
|

-----  
Internet: jennings@jennings.rochny.uspra.abb.com  
-----

From owner-qrp-l@netcom.com Wed Feb 8 22:24:35 1995  
From: roberloo@tekadm1.cse.tek.com  
Message-Id: <9502081538.AA12612@mdhost.cse.tek.com>  
Subject: MFJ 901B Tuner  
Date: Wed, 08 Feb 95 07:38:17 PST

Antenna Tuner for sale. \$25 (includes shipping)

Bob (N4AHB)

From owner-qrp-l@netcom.com Wed Feb 8 12:13:30 1995  
From: roberloo@tekadm1.cse.tek.com

Message-Id: <9502081537.AA11755@mdhost.cse.tek.com>  
Subject: MFJ 9020 For Sale  
Date: Wed, 08 Feb 95 07:37:02 PST

20 Meter CW rig for sale. \$100 + shipping.

Bob (N4AHB)

From owner-qrp-1@netcom.com Wed Feb 8 20:09:52 1995  
Message-Id: <199502082143.AA19548@zia.aoc.nrao.edu>  
Date: Wed, 8 Feb 1995 14:43:15 -0700  
From: Paul Harden <pharden@aoc.nrao.edu>  
Subject: MFJ 9030/9040 Review

Internet QRP-L Rig Report Form  
(Format modeled from CQC Lowdown Newsletter)

MFR: MFJ  
Address of MFR: Box 494 \* Miss. State, MS 39762  
Designer: MFJ (Modified by NA5N)  
Model: 9030 and 9040 with pwr pack/ant tuner  
Size: 14"H x 6.5"W x 6"D (all bolted together)  
Weight: ~ 1 pound - single transceiver unit  
~ 8 pounds - integrated stn. with batteries/ant. tuner  
PC board: Double sided, solder mask, component ID, nice layout.  
Manual: Included, quite good with schematics, alignment info  
Power : 5W (internally adjustable to QRPp if desired)  
RX Drain: 60mA, 77mA with keyer/CW filter (my measurements)  
TX Drain: 1.2A (my measurements)  
Modes: CW only  
Kit?: no (wish they had a kit version!)  
Bands: Mono-banders  
LO/VFO: NE602's, FET buffer amp, variable cap tuning  
Drift: 9030 - none; 9040 - some, but not yet measured  
Dial Range: 9030: 10.100-10.150 MHz 9040: 7.000-7.150 MHz  
RX: Measured at ~.15uV sens. (-118 dBm); fairly nice  
XMT: MRF-476 final  
Filter: Optional CW filter; I built my own using low pwr LM134  
Selectvty: Good. No on-the-air problems with separating stations.  
RIT: Yes. Range +/- 1 KHz; added LED when RIT off of zero  
Gain: Audio gain range is sufficient for spkr/phones  
AGC: Good slow response; added fast AGC for weak sigs/loud QRM  
Preamp: None; RF/IF chain has sufficient gain & overloads as is  
Atten: None (my next project to prevent overloading front end)  
SPKR: Yes, and a bit better than the cheapie one with most rigs  
Meter: None (I added my own AGC/S/PA current meter circuit)  
S Tone: Derived from actual carrier, not bad, but pumps AGC

VFO: Fairly stable, precise tuning, smooth dial, calibration marks  
Output: Shaping looks good on o-scope  
Internal Keyer: Optional. Works well; fixed weighting OK; easy to install  
QSK: Relay (sucks). Added my own reed relay/AGC clamp on XMT  
Price: \$179 mono-bander; \$329 for integrated station  
Availability: From MFJ and major ham radio dealers  
Options: CW filter; keyer; battery/charge pack; ant. tuner; dipoles  
Date of Review: 8 FEB 1995 11:00 am  
Author: Paul Harden, NA5N (Socorro, NM) pharden@aoc.nrao.edu  
Comments: Nice pre-built rig; easy to modify if you're into that.  
The integrated station (with battery pack & ant. tuner  
with pwr/swr meter) is nice design. Not a back-packer rig,  
but fairly small and compact. Rugged construction.  
From box to QSO in minutes. Modifications performed  
available upon request.

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----NATIONAL RADIO ASTRONOMY OBSERVATORY ----- Socorro, New Mexico ----  
| VLA - Very Large Array Observatory - Worlds largest radio telescope |  
|VLBA - Very Long Baseline Array - even larger |  
----- (pharden@zia.aoc.nrao.edu) --- (73 de NA5N) -----

From owner-qrp-1@netcom.com Wed Feb 8 20:41:45 1995  
From: RobCap@aol.com  
Date: Wed, 8 Feb 1995 17:06:30 -0500  
Message-Id: <950208170620\_16398179@aol.com>  
Subject: Re: Misc.

Hi Chuck-

Thanks for your note on tiny paddles. I wish I could send you a picture of the paddles mounted underneath the Sierra. What a beautiful combination.

I'm looking forward to building in a CMOS Logikeyer II memory keyer, which will be great for contesting, DX'ing, and for beacon work on ultra low power contacts.

I had a QSO with a fella in Ft. Kent, Maine. (Martin, KW1C mentioned in my October 94 QST article). 980 miles, running 2 milliwatts, and he gave me a 569! Two very nice antennas pointing right at each other, and an excellent path on 20 meters. We're planning to work together to do better, once my Sierra is set up for it. Our goal is 1,000,000 miles per watt or better.

Not world record stuff, but a very round number.

I hate to sound like a broken record, but am still waiting for three QRP ARCI awards, with no reply from the club. I don't mind waiting a long time, but would appreciate confirmation that you have the submissions so I know they're

not lost. To remind you, they are WAC, DXCC, and my miles/watt endorsement.  
Have you tracked them down yet?

The miles/watt endorsement was sent Sept 26, 1994 to the previous Awards manager who said he forwarded it. The other two awards were sent to the current manager on October 11, 1994. Could ARCI be backed up five months on awards, or am I getting \*special\* treatment? Is ARCI competing with the ARRL DXCC desk for award time?

Are all three submissions lost? I'd hate to have to re-copy all of the DXCC QSL's. (I copied 140 QSL's by hand).

Please advise.

72,

Rob, WA3ULH

From owner-qrp-1@netcom.com Wed Feb 8 13:37:36 1995

Date: Tue, 7 Feb 95 16:44:45 MST

Message-Id: <9502072344.AA07262@rgfn.epcc.Edu>

From: ab253@rgfn.epcc.Edu (Andrew Hair)

Subject: Missed the Fox

To all,

I also missed the fox lastnight. I was feeling a bit under the weather (have the flu) so my monitoring skills were not up to par. At any rate, I did hear KU7Y calling for the fox at 4:36 UTC on 7.040. Then I heard W5TFB come back to him. Both stations were 559 at peaks with some QSB. I really didn't feel like jumping in, maybe next week.

I did chat with Tim (AB50U) over a local FM packet network. He didn't hear the fox by did chat with W5TFB. Oh well, there's always next week. I will look forward to it.

72 es 73

Andrew - AB5WB

El Paso, Texas

--



From owner-qrp-l@netcom.com Wed Feb 8 13:11:38 1995  
Date: Sun, 5 Feb 95 21:38:49 -0600  
From: adams@chuck.dallas.sgi.com (chuck adams)  
Message-Id: <9502060338.AA02860@chuck.dallas.sgi.com>  
Subject: Monday Night CW Fox

At 0400-0600Z Feb 7th, which is Monday night in the USoA, Mark Cronenwett, KA7ULD, will be fox. Listen at around 7.150MHz (which is what I have in my last posting of the freqs and schedule) at 0400Z and then I assume that Mark will bop down to 7.040MHz at 0430Z.

Mark is in San Jose CA, thus on the west coast this will be 8pm to 10pm PST, 10-12pm CST, and 11pm-01am on the east coast. The band should be long enough, but I can understand the lateness of the hour and a workday being a problem on the east coast.

Mark can post if I have made an error in my interpretation and with the mail server being as slow as it has been, I'd ask that maybe he stick with the above to prevent confusion, he is the fox, so let the hunt begin. :-)

Here are the results so far. I have shortened the list to those who have done more than one contact with a fox. Hope I haven't totally lost it on this one. Email to me if I still have errors.

dit dit es gl

-----cut here-----

February 5, 1995

The FOX: (in order of stations worked so far)

Stan Goldstein	N6ULU	14 + 20 worked	(FINAL)	34
Bob	KI0G	8 + 15 worked	(FINAL)	23
Chuck	K5FO	3 + 13 worked	(FINAL)	16
Craig	WB3GCK	4 + 9 worked	(FINAL)	13
Clay	N4AOX	7 + 5 worked	(FINAL)	12
Bob	N2IPY	4 + 6 worked	(FINAL)	10
Ted	KF8EE	1 + 4 worked	(FINAL)	5
Monte	KU7Y	17 worked		
Pete	WA3NNA	16 worked		
Mark	KA7ULD	9 worked		
Paul	WB8ZJL	8 worked		

Dave                    N9UXU            3 worked

Hunters and their successes:

	HUNTER	WORKED
9	K5UP    Glen	N2IPY N6ULU N4AOX WA3NNA N2IPY KU7Y KA7YLD N4AOX WB3GCK
8	NN9K    Pete	N4AOX WA3NNA WB3GCK N6ULU N2IPY KU7Y K5FO WB3GCK
7	N4AOX    Clay	N2IPY N6ULU KI0G WA3NNA N6ULU N2IPY KF8EE
6	AB50U    Tim	N6ULU N4AOX KI0G KA7ULD KU7Y KF8EE
5	AB4EL    Steve	N6ULU N6ULU KU7Y KA7ULD K5FO
5	KC5EQC    Don	N4AOX KU7Y KA7ULD N4AOX WB3GCK
4	KK6MC	N2IPY N4AOX WB3GCK KF8EE
3	WW7Y    Steve	KI0G N6ULU KU7Y
3	WB40WL    Chas	N9UXU KU7Y KA7ULD
3	N6ULU    Stan	N2IPY KU7Y K5FO
3	NA5K	KU7Y KA7ULD K5FO
3	W5TFB    Jack	N6ULU N6ULU KI0G
2	KF8EE    Ted	N2IPY N6ULU
2	V01DRB    Bob	N2IPY WB3BCK
2	K5YUT    Jim	WA3NNA N6ULU
2	WB4ZKA    Mike	N6ULU N2IPY
2	WA6HHQ	N6ULU KU7Y
2	K06CL	N9UXU KA7ULD
2	AB5WB	KA7ULD N4AOX
2	W5TB    Doc	WA3NNA N6ULU
2	WB2SXN    Bing	N6ULU WB3GCK
2	NM1J    Scott	N4AOX WB3GCK
2	W0DSW    Dick	KI0G KI0G
2	N8VAR	WB3GCK KI0G
2	K9MWM    Bob	KI0G KI0G
2	K06KA	KI0G KI0G
2	K6QQ	WA3NNA KU7Y
2	KU7Y	N6ULU KI0G

Chuck Adams    K5FO    CP-60    adams@sgi.com

From owner-qrp-1@netcom.com    Wed Feb    8 18:18:38 1995  
Message-Id: <n1419864754.31179@msmailgw1.arlut.utexas.edu>  
Date: 8 Feb 1995 15:34:54 -0600  
From: "rohre" <rohre@msmailgw1.arlut.utexas.edu>  
Subject: N750 caps, or another approach

I just checked MCM catalog, and NO they are not there either, but it might pay to give them a call; like others, they might have old stock on a shelf. I have cat. 34, and the 1-800 is 543-4330.

Now, as this is troubling me for future needs; other than the road kill option

priorly posted; what else to do?

Perhaps, reduce the heat or at least restrict the heat from the drifting component. Methods that come immediately to mind are small fans; but for portables, on battery, I can hear the howls of disgust! Then, how about enclosing the prone to drift part in a box of constant temperature, and perhaps even lined with foam to cause a long time constant for the outside temperature change to get in.

Another idea borrowed from my days in the tropics: we would sometimes mount a lamp, or resistor damp chaser to keep the humidity from condensing in meters, or rigs. If the temperature could be kept constant by the drifting component, then that might be a way. Again, at the expense of drawing added power---but there is no free lunch, as this group knows.

Finally, in desperation, I throw out the thought that one might be able to change a component to the temperature characteristic you need, by baking it, or cooling it. (This might only work for some ceramics) I vaguely remember something about temperature compensation being discussed either in Ham Radio or QST. I have pretty good files of Ham Radio from its inception to end, and the indexes, so I will try to find out if there are other real solutions. Maybe this will spur some discussion from the more knowledgeable!

73, Stuart

K5KVH,       rohre@arlut.utexas.edu

From owner-qrp-1@netcom.com Wed Feb 8 11:11:55 1995

Message-Id: <CA8B382F0188CFD1@mhsgate.meth-mem.org>

Date: Wed, 8 Feb 95 09:15:54 -0600

From: Mike Cloud <cloudm@mhsgate.meth-mem.org>

Subject: new qrp op

Having lurked for a while ( and purchased a "fixed" MFJ 9040), I am looking for qrp'ers in the midsouth area who are interested in mounting a group effort for the April qrp field day exercise. If you know of an organized effort in this area or would like to participate in one please let me know via this address or, preferably, via my amateur internet address at "kr4it@gate.n9gsa.ampr.org".

TU vry much.....de mike, kr4it/afa2eg sk

From owner-qrp-1@netcom.com Wed Feb 8 15:44:52 1995

Date: Mon, 6 Feb 1995 15:30:00 -0500

From: "david (d.) burniston" <davidgb@bnr.ca>

Message-Id: <"28948 Mon Feb 6 17:11:37 1995"@bnr.ca>

Subject: NN1G SW 30-40 KIT REVIEW (long)

Hi...

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I sent an e-mail to Dave, NN1G asking about this problem. While waiting for a reply, I added RG174 from the board to the ANT connector, and ran twisted pair for the key and audio out lines. This time the rig peaked right up at 1.5W and the sidetone was fine.

The next day I got a reply from Dave indicating that RF pickup was the likely cause... thanks Dave - it's great to be able to get assistance direct from the designer!

The receiver works quite well (once I realized that 30M is dead in the evenings at this time of year!). The 2 crystal filter isn't as good as the filter in my NORCAL40 and I can hear a bit of the other sideband when tuning through strong stations, but just barely. Tuning is smooth, although non-linear, but this is expected with a simple varactor circuit.

The lack of AGC could take some getting used to, but being used to Direct Conversion receivers this wasn't really a problem for me - and there's none of the problems associated with audio-derived agc. I used headphones with an in-line volume control to make life a bit easier.

About the biggest complaint I have with the kit is that the designators for resistors aren't shown on the parts overlay, they're shown by value. The other components have the designators shown. I was trying to locate a specific resistor to take some measurements. I found the one I wanted on the schematic, but had to trace it back from a labelled component. A minor annoyance.

Would I recommend the kit?

You bet! All of the parts were there, it went together easily and worked right off (once I cleaned up my act with cabling), and it works well.

You have to pay the extra cost of the 2 potentiometers, an antenna connector and connectors for a key and headphones, plus a case. This could boost the cost by about \$25 if you need to buy them, but it is still one of the least expensive kits you can get, and you can customize the case the way you like.

Now I'm just waiting till I have some time during the day, when 30M is active so I can have some QSO's!

... Dave

```
=====
Dave Burniston,          Bell Northern Research  Ottawa, ON Canada
VE3LFO                   ph.(613) 765-3579
NORCAL 434                *** All opinions are strictly my own. ***
=====
```

From owner-qrp-l@netcom.com Thu Feb 9 00:53:29 1995  
From: Byron8LCZ@aol.com  
Date: Wed, 8 Feb 1995 21:39:39 -0500  
Message-Id: <950208205430\_16556425@aol.com>  
Subject: No fox heard-need bigger antenna

```
> ----NATIONAL RADIO ASTRONOMY OBSERVATORY ----- Socorro, > New Mexico -----
> | VLA - Very Large Array Observatory - Worlds largest radio > telescope |
> |VLBA - Very Long Baseline Array      - even larger                      |
> -----(pharden@zia.aoc.nrao.edu) --- (73 de NA5N) -----
```

Talk about a QRP antenna !

Worlds Largest Radio Telescope !

Are you working on WAG ? (Worked All Galaxys)

Tells us about this antenna, there might be a miniature version of this in our futures.

72, Byron WA8LCZ

From owner-qrp-l@netcom.com Wed Feb 8 13:34:47 1995  
Message-Id: <199502072100.AA29214@zia.aoc.nrao.edu>  
Date: Tue, 7 Feb 1995 14:00:59 -0700  
From: Paul Harden <pharden@aoc.nrao.edu>

Subject: No fox hrd in NM

FOX REPORT ... (in case you're interested) ...

Did not hear the FOX last night from New Mexico. Had several QSO's in the 7040 vicinity, of which two were also unsuccessful in hearing the fox. One QSO, with KU7Y was encouraging ... he varied from 559 to 449 during the QSO. Since he is the fox in two weeks, I might actually have an opportunity here to work a fox. (Keep that signal up, Ron!).

Paul NA5N

-----NATIONAL RADIO ASTRONOMY OBSERVATORY ----- Socorro, New Mexico -----  
| VLA - Very Large Array Observatory - Worlds largest radio telescope |  
| VLBA - Very Long Baseline Array - even larger |  
----- (pharden@zia.aoc.nrao.edu) --- (73 de NA5N) -----

From owner-qrp-1@netcom.com Wed Feb 8 16:59:27 1995

Message-Id: <199502081712.AA09021@zia.aoc.nrao.edu>

Date: Wed, 8 Feb 1995 10:12:31 -0700

From: Paul Harden <pharden@aoc.nrao.edu>

Subject: No Fox hrd in NM

FOX REPORT ... (in case you're interested) ...

Did not hear the FOX Monday night from New Mexico. Had several QSO's in the 7040 vicinity, of which two were also looking for the fox (KU7Y/NV and NN9K/IL). The QSO with KU7Y was encouraging ... he varied from 559 to 449 during the QSO. Since he is the fox in two weeks, I might actually have an opportunity here to work a fox! (Keep that signal up, Ron!).

Paul NA5N

-----NATIONAL RADIO ASTRONOMY OBSERVATORY ----- Socorro, New Mexico -----  
| VLA - Very Large Array Observatory - Worlds largest radio telescope |  
| VLBA - Very Long Baseline Array - even larger |  
----- (pharden@zia.aoc.nrao.edu) --- (73 de NA5N) -----

From owner-qrp-1@netcom.com Wed Feb 8 08:17:08 1995

Date: Tue, 7 Feb 1995 14:24:47 -0500 (EST)

From: Jim Stafford-W4QO <w4qo@america.net>

Subject: Re: Novice Round-Up

Message-Id: <Pine.SV4.3.91.950207142312.4914D-100000@atl1.america.net>

I worked about a half hour and worked 6 on 40M. Best was a YL - KA7OAJ/T in Oregon.

On Sun, 5 Feb 1995 Byron8LCZ@aol.com wrote:

> The last Novice Round-Up is now history. I had hoped for more activity but  
> all in all, it was fun. I Worked Novices from a 9 yr old YL named Jenny to a  
> 70 yr old timer. From a Tech in Kodiak Alaska to Calif, North Dakota, South  
> Dakota, New Hampshire, Washington and Oregon. Not bad for the bottom of the  
> solar cycle.  
>  
> Worked 8 states on 80m, 18 states on 40m, 8 states on 15m and didnt hear any  
> activity on 10m.  
>  
> Heard W6DDB of Bills Basics fame from CQ magazine. Talked to Cam, HP1AC in  
> Panama City. And, heard a lot of Novices/Techs that need more code practice.  
> Some I couldnt even copy.  
>  
> With casual operating over the the last 9 days, i worked 51 contacts in 34  
> S/P/C's.  
>  
> How did the rest of you do ?  
>  
> 72, Byron WA8LCZ  
>  
>

From owner-qrp-l@netcom.com Wed Feb 8 16:37:21 1995  
Date: Wed, 8 Feb 1995 08:17:17 -0700  
From: mchina@nrel.nrel.gov (Myron China)  
Message-Id: <9502081517.AA14619@nrel.nrel.gov>  
Subject: novice roundup

hello qrp'ers.

well, the novice roundup (my very first contest) was definitely fun. i knew i couldn't compete with the qro folks with only my 2 watt hw-8 into a low dipole, so i concentrated on working on my qrp WAS and got 18 more states for my efforts.

best thing about the contest was that after seeing how serious i was about my new hobby and listening to me complain about my dipole, my wife gave me permission to put up whatever antenna i need to compete(even a 40m beam!). she says she doesn't mind offending the new neighbors and that they aren't very friendly to us anyway (whoopee! guess i'll be experimenting more with antennas come spring).



hope the arrl doesn't cancel the novice roundup. it was definitely fun and worth the effort.

73,  
myron

```
-----
| Myron China (KB0LMQ)           Email: mchina@nrel.nrel.gov |
| Oracle Database Administrator   Phone: (303) 275-4017   |
| National Renewable Energy Lab (NREL) Fax: (303) 275-4119 |
| Golden, CO                     |
|-----
```

From owner-qrp-1@netcom.com Wed Feb 8 15:13:17 1995  
Date: Wed, 8 Feb 1995 13:55:43 -0500 (EST)  
From: Wynn C C <wyn@stc06.CTD.ORNL.GOV>  
Subject: OPS FROM MT. MITCHELL  
Message-Id: <Pine.OSF.3.91.950208134934.14213A-100000@stc06.CTD.ORNL.GOV>

Take care not to run afoul of the Park Rangers. They had to put their foot down when the CB'rs and Hams turned the parking area into an aluminum forest back in the 70's. I don't know how they feel about it now. Besides the cool temperatures, you're in the clouds most of the time so things tend to get a bit soggy.

72/73  
Clay N4AOX  
wyn@ornl.gov

From owner-qrp-1@netcom.com Wed Feb 8 09:12:29 1995  
From: JEVERHART@cayman.VF.MMC.COM  
Date: Tue, 7 Feb 1995 16:50:22 -0500 (EST)  
Message-Id: <950207165022.22427e6c@carib.vf.mmc.com>  
Subject: RE: Parts...

Darn, Larry you're right about the common catalogs not listing temp compensating capacitors! In another lifetime, twenty years or so ago, I ran into a similar problem under different circumstances. Working in the industry I was able to get samples from, I believe, Mallory - or was it Centralab? Anyway, once our design was solid, we dealt with common distributors who were able to get them whether in their catalog or not. Of course that was volume purchases of particular values. If you can't find a hobbyist source, like Dan's Small Parts or somebody like that, you might talk to your local capacitor sales office and ask for advice. Please let us know what you find out.

72/73,

Joe E. N2CX

From owner-qrp-l@netcom.com Wed Feb 8 10:40:21 1995  
Message-Id: <9502081424.AA12253@us4rmc.pko.dec.com>  
Date: Wed, 8 Feb 95 09:24:55 EST  
From: "N100Q Tom R. @ MR01 08-Feb-1995 0912" <randolph@est.enet.dec.com>  
Subject: RE: Parts...

> Does anyone know of a source for N750 caps?? Can't even find 'em in the  
> Newark catalog...  
> Larry V. East (W1HUE)

Nope, I've looked too. The only source for them I've found is junked TV sets and radios. MCM Electronics might have some, since they cater to the TV/VCR repair crowd. I haven't checked their catalog...

So if you only need a few, start scanning the side of the road on the way to work! Free parts!

-Tom R. N100Q randolph@est.enet.dec.com

From owner-qrp-l@netcom.com Wed Feb 8 08:43:44 1995  
Message-Id: <9502071441.AA29460@ig1.att.att.com>  
From: mvjfm@mvubr.att.com (James M Fitton +1 508 960 2577)  
Date: 7 Feb 95 09:24:00 -0500  
Subject: Prizes

To: PeterWK8S@aol.com  
Cc: to Inet

Pete WK8S,  
Thank you for taking charge of putting on the  
QRP Banquet at Dayton.

Doorprizes donated so far:

40-40Kit (band of your choice) from NN1G  
Sierra Kit (full blown model) from NorCal QRP club

Congratulations and thanks to all contributors !

72, W1FMR

From owner-qrp-l@netcom.com Wed Feb 8 09:51:10 1995  
From: CLATON.CADMUS@hamlink.hamlink.mn.org (CLATON CADMUS)  
Date: Tue, 07 Feb 1995 11:09:33  
Message-Id: <792155462.AA00468@hamlink.hamlink.mn.org>  
Subject: QRP DESIGN ADVICE

It would appear in my previous post concerning the "Traveler" QRP rig I worded my question badly. I wish to build a qrp rig for 80 and/or 40 either single band or multiple perhaps including 20 as well.

Many thanks to those that replied with kit suggestions. However, I'm not looking for kits. I'm looking for advice on proven designs and the source of the construction article. Likes dislikes etc. I want to build it from scratch, including PCB and cabinet. I might even take sections from various articles and bash together a puesday-new design.

Any help would be greatly appreciated, especially in the area of VFO's or DDS for QRP.

73 de KA0GKC Cla

\* SLMR 2.1a \* Rule #1 of intelligent tinkering is to save all the parts

---NoSnail 1.12

From owner-qrp-l@netcom.com Wed Feb 8 13:18:47 1995  
From: RobCap@aol.com  
Date: Tue, 7 Feb 1995 09:46:36 -0500  
Message-Id: <950207094635\_15134071@aol.com>  
Subject: Sierra is Working

Have completed building the basic Sierra kit during the last week of very leisurely construction. To my delight, the little jewel came up like a champ the first time with no troubleshooting needed. Only the second time this has happened with this my sixth homebrew transceiver (the other was from OHR-The Sprint).

Alignment was very easy, about 30 minutes. All values were within range, so no toroids needed to be modified.

Am immediately impressed with the silky QSK, and the very ample audio, which can easily drive a small speaker. Measured the current drain, which was coasting at 33-34 mAmps when receiving a loud signal into headphones.

Power output a robust 3 watts on 40 meters. Have not aligned the other four band modules yet. (They're built, and ready for alignment tonight).

Got a nice signal report from a station in Palm Beach, FL, who reported that the cw note was very pure. More testing with local stations tonight.

I'll take my time making the following enhancements:

- \* Rear Panel Mounted Fuse
- \* Rear panel pot for changing power output to QRPP
- \* Rear panel switch attenuator for going to microwatts
- \* LED Lamp behind tuning dial (switchable on/off)
- \* Frequency Marker Generator (It's built, ready for install. also switchable on/off)
- \* CMOS Logikeyer II (Also built and ready to install)
- \* Built-in speaker.
- \* Swap PL-259 for the standard BNC antenna connector.

I have already installed the Brass Racer paddle works underneath the Sierra, which looks like a super-slick tilt stand.

The idea is that with speaker, key, and keyer installed, it's a complete station. All it will need is power and antenna.

Overall, a religious QRP experience. Wayne is to be complemented on the design, especially with respect to ultra low current drain, superb documentation and eliminating point to point wiring.

72,

Rob, WA3ULH

From owner-qrp-1@netcom.com Wed Feb 8 16:52:14 1995

From: LVE1@inel.gov

Message-Id: <9502081926.AA05547@garnet.inel.gov>

Date: Wed, 08 Feb 1995 12:27:50 -0700

Subject: Sources of N750 caps

So far, my inquiry about where to find N750 caps has turned up two sources:

- 1) An electronics supplier in Stockholm, Sweden, and
- 2) Old TV sets.

Guess I'll start looking for old TV sets...

---

"Any opinions expressed herein are my own and probably do not agree with those of my employer, the U.S. Government or my spouse"

--... ..--  
Larry V. East (W1HUE)  
Idaho Falls, ID  
e-mail: LVE1@inel.gov  
Packet: W1HUE@WT7B.ID.USA.NOAM  
work: (208) 533-4005 home: (208) 529-2162

From owner-qrp-1@netcom.com Wed Feb 8 23:26:12 1995  
From: JEVERHART@cayman.VF.MMC.COM  
Date: Wed, 8 Feb 1995 21:18:56 -0500 (EST)  
Message-Id: <950208211856.2242feba@carib.vf.mmc.com>  
Subject: RE: Sources of N750 caps

Larry, let me try again...

A possible third source for N750 and other temp compensating caps is the dreaded disc capacitor assortment. Rat Shak used to carry 'em - who know these days? Others who sell the assortments often include some various tempco caps in them. As with many grab bags, these are usually very economical 'cause that's how they get rid of inventory they can't unload otherwise.

Gotta be disc ceramics, though, casual perusal of my monolithic capacitor vendor lit (available by mail EVEN in Idaho Falls) shows only NPOs for ceramics with controlled tempcos. Other mixes like X7R have very poor (and nonlinear) capacitance vs temp characteristics. And the other mixes have very poor Q, too.

The assortments are really pot luck, but you do get lotsa variety ;-).

72/73,

Joe E. N2CX

From owner-qrp-1@netcom.com Wed Feb 8 17:32:10 1995  
Date: Wed, 8 Feb 95 15:18:28 EST  
From: Clark Fishman (FSAC-FCD) <cfishman@fsac3.pica.army.mil>  
Subject: Spelling  
Message-Id: <9502081518.aa26255@FSAC3.PICA.ARMY.MIL>

If I could spell...I would be dangerous

must be typos

wa2unn

From owner-qrp-1@netcom.com Wed Feb 8 11:22:57 1995  
From: qrmodena@csemail

Message-Id: <9502081204.AA104385@csemail.cropsci.ncsu.edu>  
Subject: SSB FOX HUNT is WEDNESDAY  
Date: Wed, 8 Feb 1995 07:04:52 -0500 (EST)

\*\*\*\*\*

\* QRP-L seems to be in failure mode.  
\* I will re-post this notice until \*one\* copy reaches  
\* my email box.

\*\*\*\*\*

SSB FOX HUNT -- 8 FEB WEDNESDAY NORTH AMERICAN TIME -- Times in E.S.T.

!!!! Pay attention: 40 M segment starts EARLIER than usual ! ! ! !

EST	Band	Segment
8 - 8:30 PM	7.225 - 7.232	Need General, Adv, Extra.
8:30 - 9 PM	7.210 - 7.220	Need Advanced or Extra
9 - 10	Spend time with XYL	
10 - 10:30	3.780 - 3.788	Need Advanced or Extra
10:30 - 11	3.900 - 3.910	Need General, Adv. or Extra

The Fox may continue on 40 after 9 pm...this shift to an earlier time of operation is an experiment to see if we can catch 40 M before it is so long that call-ins from Hawaii would not be unexpected. :^)

--

73/Steve/AB4EL ab4el@Cybernetics.NET in Raleigh, NC 35.81245N, 78.65849W

From owner-qrp-l@netcom.com Wed Feb 8 12:13:22 1995  
From: ab4el@cybernetics.net (Stephen Modena)  
Message-Id: <9502071103.AA18151@cybernetics.net>  
Subject: SSB FOX HUNT is WEDNESDAY  
Date: Tue, 7 Feb 1995 06:03:41 -0500 (EST)

SSB FOX HUNT -- 8 FEB WEDNESDAY NORTH AMERICAN TIME -- Times in E.S.T.

!!!! Pay attention: 40 M segment starts EARLIER than usual ! ! ! !

EST	Band	Segment
8 - 8:30 PM	7.225 - 7.232	Need General, Adv, Extra.

8:30 - 9 PM                      7.210 - 7.220      Need Advanced or Extra

9 - 10                              Spend time with XYL

10 - 10:30                      3.780 - 3.788      Need Advanced or Extra

10:30 - 11                      3.900 - 3.910      Need General, Adv. or Extra

The Fox may continue on 40 after 9 pm...this shift to an earlier time of operation is an experiment to see if we can catch 40 M before it is so long that call-ins from Hawaii would not be unexpected. :^)

--

73/Steve/AB4EL ab4el@Cybernetics.NET in Raleigh, NC 35.81245N, 78.65849W

From owner-qrp-l@netcom.com Wed Feb 8 14:05:36 1995

From: ab4el@cybernetics.net (Stephen Modena)

Message-Id: <9502072310.AA10240@cybernetics.net>

Subject: SSB FOX HUNT is WEDNESDAY

Date: Tue, 7 Feb 1995 18:10:04 -0500 (EST)

\*\*\*\*\*

\* QRP-L seems to be in failure mode.

\* I will re-post this notice until \*one\* copy reaches

\* my email box.

\*\*\*\*\*

SSB FOX HUNT -- 8 FEB WEDNESDAY NORTH AMERICAN TIME -- Times in E.S.T.

!!!! Pay attention: 40 M segment starts EARLIER then usual ! ! ! !

EST                              Band Segment

8 - 8:30 PM                      7.225 - 7.232      Need General, Adv, Extra.

8:30 - 9 PM                      7.210 - 7.220      Need Advanced or Extra

9 - 10                              Spend time with XYL

10 - 10:30                      3.780 - 3.788      Need Advanced or Extra

10:30 - 11                      3.900 - 3.910      Need General, Adv. or Extra

The Fox may continue on 40 after 9 pm...this shift to an earlier time of operation is an experiment to see if we can catch 40 M before it is so long that call-ins from Hawaii would not be unexpected. :^)

--

73/Steve/AB4EL ab4el@Cybernetics.NET in Raleigh, NC 35.81245N, 78.65849W

From JMG@tntech.edu Wed Feb 8 14:10:11 1995

Date: Wed, 08 Feb 1995 12:44:47 -0600 (CST)

From: Jeff Gold <JMG@tntech.edu>  
Subject: Re: SSB FOX HUNT is WEDNESDAY  
Message-Id: <01HMT2J1T5M0CRKD2V@tntech.edu>

Steve,

glad to see you have pencilled in the XYL for at least a few minutes :)

I hope to be talking to you tonight.

72

Jeff, AC4HF

From papo@gamekeeper.bellcore.com Wed Feb 8 15:37:17 1995  
Message-Id: <199502082010.AA09151@marcel.gamekeeper.bellcore.com>  
Subject: Re: SSB FOX HUNT is WEDNESDAY  
Date: Wed, 08 Feb 95 15:11:21 EST  
From: "Luis R. Anaya" <papo@gamekeeper.bellcore.com>

>  
> \*\*\*\*\*  
> \* QRP-L seems to be in failure mode.  
> \* I will re-post this notice until \*one\* copy reaches  
> \* my email box.  
> \*\*\*\*\*  
>  
> SSB FOX HUNT -- 8 FEB WEDNESDAY NORTH AMERICAN TIME -- Times in E.S.T.  
>  
> ! ! ! ! Pay attention: 40 M segment starts EARLIER than usual ! ! ! !  
>  
> 9 - 10 Spend time with XYL

Thank you.. thank you .. thank you.. thank you... :).

18r,

--

Luis R. Anaya Rivera papo@briscas.gamekeeper.bellcore.com  
A True PL/1 Hacker papo@donuts0.bellcore.com  
Bellcore, NJ Ham: N2ZXE+

From owner-qrp-l@netcom.com Wed Feb 8 17:50:01 1995  
Date: Wed, 8 Feb 95 15:15:33 EST  
From: Clark Fishman (FSAC-FCD) <cfishman@fsac3.pica.army.mil>  
Subject: Surplus in Chicago  
Message-Id: <9502081515.aa23278@FSAC3.PICA.ARMY.MIL>



I am visiting the windy city are on business soon and looking for electronic surplus stores....mostly interested in RF parts, chips, caps, coils.....PC's need not apply

RFingly yours

Clark Fishman WA2UNN      cfishman@pica.army.mil

From owner-qrp-1@netcom.com Wed Feb 8 07:33:53 1995  
From: Mark.Kern@merisel.com  
Date: Tue, 7 Feb 1995 09:48:23 -0500  
Message-Id: <f37b3d20@smtpplink.merisel.com>  
Subject: ten-tec hf rigs

can anybody help me....I have to still pass my General test and my code test, and I still have to get my call sign from the FCC....but...I am looking for a good/cheap HF rig. I am looking at the Ten-Tec 555 Scout with a few modules. Does anybody have an opinion about Ten-Tec's Scout or any suggestions about HF rigs that are small for travel and are inexpensive. I have seen Kenwood's ts50s and Yaesu's ft900a but those are over a thousand, but they have memories, and probably are able to work with repeaters on 10m...but how much would a newbie use this? I saw MFJ's 20m travel radio but it only does 20m....I'm am hopelessly lost in the pay-more-get-what world.

From owner-qrp-1@netcom.com Wed Feb 8 23:19:15 1995  
From: Michael Marmor <mmarmor@pluto.njcc.com>  
Message-Id: <199502090048.TAA26409@pluto.njcc.com>  
Subject: The Radio Craftsman  
Date: Wed, 8 Feb 1995 19:48:57 -0500 (EST)

>  
> Mike,  
>  
> Could you please send me some information on how to subscribe to The  
> Radio Craftsman? I had never heard of it before but it sounds interesting.  
>  
> Thanks.  
>  
> Jim Rybak W0KSD  
>

Off the back cover of the jul/aug 1995 issue:

----

Subscriptions are \$10 per year within the U.S. and \$15 per year elsewhere. Send all subscription requests or other correspondence to:

The Radio Craftsman  
P.O. Box 3682  
Lawrence, KS 66046-0682

----

Doug publishes his e-mail address in the radio craftsman so I assume that it is OK to post it here.

Doug Heacock, AA0MS      heacock@kuhub.cc.ukans.edu

The magazine is published 6 times per year and is 8 pages long.

73

Michael, AA2UJ  
mmarmor@pluto.njcc.com

From owner-qrp-l@netcom.com Wed Feb 8 13:37:36 1995

Message-Id: <9502072214.AA19236@comtech.com>

Date: Tue, 07 Feb 1995 14:21:26 PST

From: gap@comtech.com (Greg Prior)

Subject: Toroid or Com'l coils?

I have been thinking about homebrewing one of the popular HF transcievers, and got to thinking about all the toroids that they use.

I noticed in the Digikey catalog that there are lots of inductors that look like possible substitutions. They have leaded ones that look like resistors, and surface mount ones. Some are wound on phenolic, iron and ferrite cores. There are also ones that claim to be "shielded". It seems these would be smaller and less time-consuming than the toroids.

Can I substitute one of these inductors of the same value for the toroid?

I noticed that there is a 'Q' and frequency rating for the coils. How do I relate this to the toroids that only specify inductance?

Thanks,

Greg Prior - AC6IY      gap@Comtech.com  
Comtech Labs, Inc.      Palo Alto, CA

From owner-qrp-1@netcom.com Wed Feb 8 15:30:08 1995  
Date: Wed, 8 Feb 1995 15:30:25 GMT  
From: Goran Hosinsky <hosinsky@royac4.royac.iac.es>  
Message-Id: <9502081530.AA04282@royac4.royac.iac.es>  
Subject: Window mounted 2m ant?

Any one have experience with window mounted 2 m mobil antennas, those  
with capacitive coupling (I believe) through the window and a wip outside?  
Do they work well? - don't want to loos to much of my qrp signal.  
73 Goran ea8yu